

Patent claims.

1. A streptavidin-binding peptide comprising
or consisting of an amino acid sequence accord-
5 ing to Seq.-ID 1 - 12.

2. A nucleic acid coding for a streptavidin-
binding peptide according to claim 1.

10 3. A plasmid comprising a nucleic acid ac-
cording to claim 2.

4. A method for the production of a strepta-
vidin-binding peptide according to claim 1,
15 wherein a nucleic acid according to claim 2 is
expressed or overexpressed in a cell-based or
cell-free protein biosynthesis system.

5. The use of a streptavidin-binding peptide
20 according to claim 1 for the purification of a
defined protein produced in a protein biosynthe-
sis system, wherein a nucleic acid coding for
the protein and, connected therewith, for the
streptavidin-binding peptide, optionally con-
25 trolled by a regulatory sequence, is subjected
to a transcription and/or translation, wherein a
solution comprising the thus obtained transla-
tion product is contacted with immobilized

streptavidin, and wherein after separation of the solution with substances not bound to the streptavidin the translation product is released from the streptavidin and eluted.

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6. The use of a streptavidin-binding peptide according to claim 1 for labeling a defined protein, wherein a nucleic acid coding for the protein and, connected therewith, for the streptavidin-binding peptide is subjected to a transcription and/or translation, wherein the thus
10 obtained translation product is contacted with a streptavidin conjugate comprising a reporter molecule and is bound thereto.

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